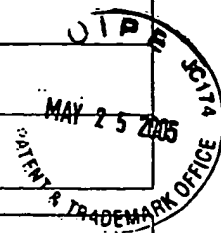


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| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 12732-103002 | Application No. 10/699,797 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | | Applicant Shou Nagao et al. | |
| | | Filing Date November 4, 2003 | Group Art Unit 2826 |



| U.S. Patent Documents | | | | | | | |
|-----------------------|-----------|-----------------|------------------|--------------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| <i>JD</i> | AA | 6,813,332 | 11/02/2004 | Nagao et al. | | | 01/14/2004 |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
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| | AJ | | | | | | |
| | AK | | | | | | |

| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | | |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation | |
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| | AM | | | | | | | |
| | AN | | | | | | | |
| | AO | | | | | | | |
| | AP | | | | | | | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|---|-----------|----------|
| Examiner Initial | Desig. ID | Document |
| | AQ | |
| | AR | |
| | AS | |
| | AT | |

| | |
|--|----------------------------|
| Examiner Signature <i>John A. Arol</i> | Date Considered 8/16/06 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

| | | | |
|---|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 12732-103002 | Application No. 10/699,797 |
| | Applicant Shou Nagao et al. | | |
| | Filing Date November 4, 2003 | Group Art Unit 2819 | |

| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
|------------------|-----------|-----------------|------------------|-----------------|-------|----------|----------------------------|
| PN | AA | 6,040,810 | 03/21/2000 | NISHIMURA | | | 01/07/1997 |
| PN | AB | 2002/0044208 | 04/18/2002 | YAMAZAKI et al. | | | 08/08/2001 |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Sub-class | Translation | |
|------------------|-----------|-----------------|------------------|--------------------------|-------|-----------|-------------|----|
| | | | | | | | Yes | No |
| PN | AF | JP03-165171 | 17 JUL 1991 | JAPAN | | | Abstract | |
| PN | AG | JP06-098081 | 08 APR 1994 | JAPAN | | | Abstract | |
| PN | AH | JP09-186312 | 15 JUL 1997 | JAPAN | | | Abstract | |
| PN | AI | JP2000/106617 | 11 APR 2000 | JAPAN | | | Abstract | |
| PN | AJ | JP2001/109394 | 20 APR 2001 | JAPAN | | | Abstract | |
| PN | AK | JP2002-176162 | 21 JUN 2002 | JAPAN | | | Abstract | |
| PN | AL | JP2002/251164 | 06 SEP 2002 | JAPAN | | | Abstract | |
| PN | AM | JP59-16424 | 27 JAN 1984 | JAPAN | | | Full | |
| | AN | | | | | | | |

| Examiner Initial | Desig. ID | Document |
|------------------|-----------|----------|
| | AO | |
| | AP | |
| | AQ | |
| | AR | |

| | |
|--|----------------------------|
| Examiner Signature <i>[Signature]</i> | Date Considered 8/16/05 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

| | | | |
|---|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 (modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 12732-103002 | Application No. 10/699,797 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR 1.98(b)) | | Applicant Shou Nagao et al. | |
| | | Filing Date November 4, 2003 | Group Art Unit |

U.S. Patent Documents

| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Sub-class | Filing Date If Approp. |
|------------------|-----------|--------------------|------------------|--------------------|-------|-----------|------------------------|
| RB | AA | US 2002/0158666 A1 | 10/31/2002 | Azami et al. | | | 04/17/2002 |
| FR | AB | US 2002/0167026 A1 | 11/14/2002 | Azami et al. | | | 04/23/2002 |
| AN | AC | US 2002/0190326 A1 | 12/19/2002 | Nagao et al. | | | 05/15/2002 |
| PO | AD | US 2003/0011584 A1 | 01/16/2003 | Azami et al. | | | 07/16/2002 |
| FA | AE | US 2003/0034806 A1 | 02/20/2003 | Azami | | | 07/29/2002 |
| FA | AF | US 2003/0052324 A1 | 03/20/2003 | Kimura | | | 04/08/2002 |
| PA | AG | US 2003/0020520 A1 | 01/30/2003 | Miyake et al. | | | 07/26/2002 |
| FA | AH | US 2003/0111677 A1 | 06/19/2003 | Miyake | | | 11/27/2002 |
| FR | AI | 3,506,851 | 04/14/1970 | POLKINGHORN et al. | | | 12/14/1966 |
| FR | AJ | 3,774,055 | 11/26/1973 | BAPAT | | | 01/24/1972 |
| FA | AK | 3,898,479 | 08/05/1975 | PROEBSTING | | | 03/01/1973 |
| PA | AL | 4,090,096 | 05/16/1978 | NAGAMI | | | 03/29/1977 |
| FA | AM | 4,390,803 | 06/28/1983 | KOIKE | | | 12/19/1980 |
| FA | AN | 4,412,139 | 10/25/1983 | HORNINGER | | | 06/14/1981 |
| FA | AO | 4,804,870 | 02/14/1989 | MAHMUD | | | 01/26/1988 |
| FA | AP | 4,959,697 | 09/25/1990 | SHIER et al. | | | 02/20/1990 |
| FA | AQ | 5,467,038 | 11/14/1995 | MOTLEY et al. | | | 02/15/1994 |
| PO | AR | 5,548,143 | 08/20/1996 | LEE | | | 12/05/1995 |
| FA | AS | 5,643,826 | 07/01/1997 | OHTANI et al. | | | 10/25/1994 |
| FA | AT | 5,694,061 | 12/02/1997 | MOROSAWA et al. | | | 03/22/1996 |
| FA | AU | 5,870,071 | 03/09/1999 | KAWAHATA | | | 09/05/1996 |
| FA | AV | 5,889,291 | 03/30/1999 | KOYAMA et al. | | | 07/31/1996 |
| FA | AW | 5,949,271 | 09/07/1999 | FUJIKURA | | | 10/07/1997 |
| FA | AX | 6,049,228 | 04/11/2000 | MOON | | | 12/15/1997 |
| PO | AY | 6,501,098 | 12/31/2002 | YAMAZAKI | | | 11/23/1999 |
| FA | AZ | 6,522,323 | 02/18/2003 | SASAKI et al. | | | 07/14/2000 |

Foreign Patent Documents or Published Foreign Patent Applications

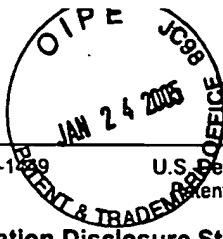
| | |
|--|-----------------------------------|
| Examiner Signature <i>John A. Grabe</i> | Date Considered <i>8/16/05</i> |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

| | | | | |
|--|--|--|--|--------------------------------------|
| Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | U.S. Department of Commerce Patent and Trademark Office | | Attorney's Docket No. 12732-103002 | Application No. 10/699,797 |
| | Applicant Shou Nagao et al. | | | |
| | Filing Date November 4, 2003 | | Group Art Unit | |

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Sub- class | Translation | |
|---------------------|--------------|--------------------|---------------------|-----------------------------|-------|---------------|-------------|----|
| | | | | | | | Yes | No |
| <i>A</i> | BA | EP 1063630 | 27 DEC 2000 | EUROPE | | | In English | |
| <i>AB</i> | BB | JP-09-246936 | 19 SEP 1997 | JAPAN | | | Abstract | |
| <i>AB</i> | BC | JP-2001-005426 | 12 JAN 2001 | JAPAN | | | Abstract | |
| <i>AB</i> | BD | JP-2001-133431 | 18 MAY 2001 | JAPAN | | | Abstract | |
| <i>AB</i> | BE | JP-55-156427 | 05 DEC 1980 | JAPAN | | | Abstract | |
| <i>AL</i> | BF | JP-63-204815 | 24 AUG 1988 | JAPAN | | | Abstract | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|---|--------------|----------|
| Examiner Initial | Desig. ID | Document |
| | BG | |
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| Examiner Signature <i>[Signature]</i> | Date Considered <i>8/16/05</i> |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |



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|--|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 12732-103002 | Application No. 10/699,797 |
| | Applicant Shou Nagao et al. | | |
| | Filing Date November 4, 2003 | Group Art Unit 2819 | |
| | | | |

| U.S. Patent Documents | | | | | | | |
|-----------------------|-----------|-----------------|------------------|----------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| <i>PR</i> | AA | 6,091,393 | 07/18/2000 | Park | | | 12/23/1997 |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
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| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | | |
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| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation | |
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| | AL | | | | | | | |
| | AM | | | | | | | |
| | AN | | | | | | | |
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| | AP | | | | | | | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|---|-----------|---|
| Examiner Initial | Desig. ID | Document |
| <i>PR</i> | AQ | Munehiro Azami et al.; U.S. Patent Application No. 10/127,600; Office Action dated October 22, 2004 |
| | AR | |
| | AS | |
| | AT | |

| | |
|--|-----------------------------------|
| Examiner Signature <i>[Signature]</i> | Date Considered <i>8/15/05</i> |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

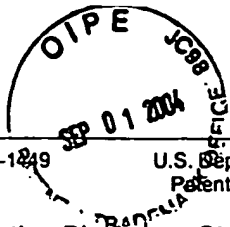
| | | | |
|--|--|---------------------------------------|-----------------------------------|
| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 12732-103002 | Application No. New Divisional |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | | Applicant Shou Nagao et al. | |
| | | Filing Date November 4, 2003 | Group Art Unit Unknown |

| U.S. Patent Documents | | | | | | | |
|-----------------------|-----------|-----------------|------------------|-----------------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| PR | AA | 5,643,826 | 07/1997 | Ohtani et al. | | | |
| | AB | 5,694,061 | 12/1997 | Morosawa et al. | | | |
| | AC | 5,889,291 | 03/1999 | Koyama et al. | | | |
| | AD | 6,646,476 | 11/2003 | Nagao et al. | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
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| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | | |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation | |
| | | | | | | | Yes | No |
| PR | AL | 09-246936 | 09/1997 | JAPAN | | | XX | |
| | AM | | | | | | | |
| | AN | | | | | | | |
| | AO | | | | | | | |
| | AP | | | | | | | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
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| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |



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|--|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 12732-103002 | Application No. 10/699,797 |
| | | Applicant Shou Nagao et al. | |
| | | Filing Date November 4, 2003 | Group Art Unit 2819 |

**Information Disclosure Statement
by Applicant**
(Use several sheets if necessary)

(37 CFR §1.98(b))

| U.S. Patent Documents | | | | | | | |
|-----------------------|-----------|-----------------|------------------|-----------------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| <i>TS</i> | AA | 6,686,899 | 02/03/2004 | MIYAZAWA et al. | | | 11/19/2001 |
| <i>TS</i> | AB | 2002/0097212 | 07/25/2002 | MIYAZAWA et al. | | | 11/19/2001 |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
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| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | | |
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| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation | |
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| | AO | | | | | | | |
| | AP | | | | | | | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|---|-----------|--|
| Examiner Initial | Desig. ID | Document |
| | AQ | Invitation to Respond to Written Opinion with Australian Search Report and Written Opinion (Singapore Patent Application No. 200202969-2), June 25, 2004, 8 pages. |
| | AR | |
| | AS | |
| | AT | |

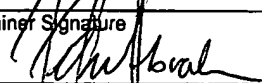
| | |
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| Examiner Signature <i>[Signature]</i> | Date Considered <i>8/16/05</i> |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

| | | | |
|---|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 12732-103002 | Application No. 10/699,797 |
| | Applicant Shou Nagao et al. | | |
| | Filing Date November 4, 2003 | Group Art Unit 2819 | |

| U.S. Patent Documents | | | | | | | |
|-----------------------|-----------|-----------------|------------------|--------------------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| PO | AA | 2001/0002703 | 06/04/2001 | KOYAMA | | | |
| AS | AB | 2001/0045565 | 11/29/2001 | YAMAZAKI | | | |
| PO | AC | 2002/0011973 | 01/31/2002 | KOMIYA | | | |
| PO | AD | 2002/0158666 | 10/31/2002 | AZAMI et al. | | | |
| PO | AE | 2002/0167026 | 11/14/2002 | AZAMI et al. | | | |
| PO | AF | 2002/0190326 | 12/19/2002 | NAGAO et al. | | | |
| PO | AG | 2003/0011584 | 01/16/2003 | AZAMI et al. | | | |
| PO | AH | 2003/0020520 | 01/30/2003 | MIYAKI et al. | | | |
| PO | AI | 2003/0034806 | 02/20/2003 | AZAMI | | | |
| PO | AJ | 2003/0052324 | 03/20/2003 | KIMURA | | | |
| PO | AK | 2003/0111677 | 06/19/2003 | MIYAKE | | | |
| PO | AL | 4,633,105 | 12/30/1986 | TSUJIMOTO | | | |
| PO | AM | 5,952,991 | 09/14/1999 | AKIYAMA | | | |
| PO | AN | 6,384,804 | 05/07/2002 | DODABALAPUR et al. | | | |
| PO | AO | 6,542,138 | 04/01/2003 | SHANNON et al. | | | |

| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | | |
|---|-----------|-----------------|------------------|--------------------------|-------|-----------|-------------|----|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Sub-class | Translation | |
| | | | | | | | Yes | No |
| PO | AP | EP-1 139 326 | 04 OCT 2001 | EUROPE | | | IN ENGLISH | |
| PO | AQ | JP59-016424 | 27 JAN 1984 | JAPAN | | | ABSTRACT | |
| PO | AR | JP60-140924 | 25 JUL 1985 | JAPAN | | | ABSTRACT | |
| | AS | | | | | | | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
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| Examiner Initial | Desig. ID | Document |
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| | AU | |

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